



iCMR – Works in Progress

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SCMR/EuroCMR
Joint Scientific Sessions

Sharing Global CMR Experience & Innovation
February 4-7, 2015 • Nice, France



Nice Acropolis Convention Centre

Declaration of Relevant Financial Interests or Relationships

Speaker Name: Rainer Schneider

I have the following financial interest or relationship to disclose with regard to the subject matter of this presentation:

Company name: Siemens AG

Type of relationship: Employee

Realtime Framework*

Realtime Interface*

- **Interface** to 3rd party computers
(Therapy license + Interactive Realtime license)
- **Advanced Interactive Realtime** features e.g. multi-slice capability
(Therapy license + Interactive Realtime license)

Active tracking (MRI Interventions)*

MR Thermometry (N_Therm)*



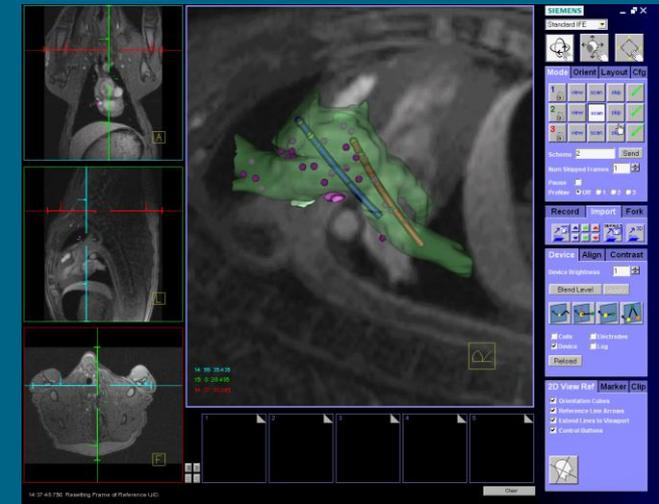
Starter Package incl. Code Snippets available soon

Addressed Research areas

Percutaneous Interventions



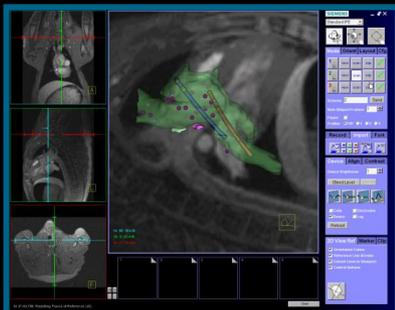
Cardiovascular Interventions



iMRI

Interactive Realtime (IRT) Sequence*

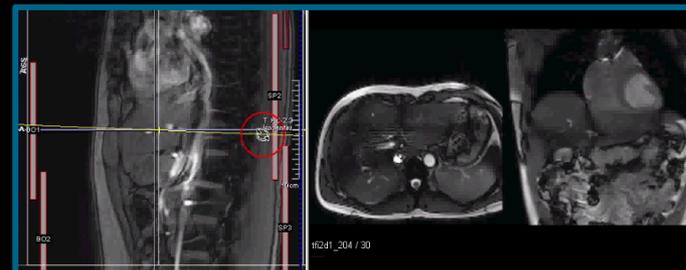
Existing IRT Product Features*:



Catheter Tracking**



Mosaic Visualization



Interactive GSP

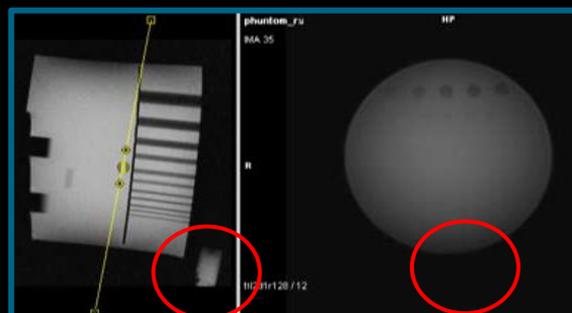
**Skip Physio Trigger
Acquisition Order
Pan & Zoom
Pause
etc.**

WIP IRT Features:



Realtime Imaging Interleaved Tracking/Imaging Tracking only

Variable Tracking vs. Imaging Rate



Slice Thickness/Projection Mode



**Mag Prep | TI | FLASH ↔ TRUFI
Contrast**



*510(k) pending

**In collaboration with MRI Interventions, Inc.

Interactive Front End (IFE)*

IFE

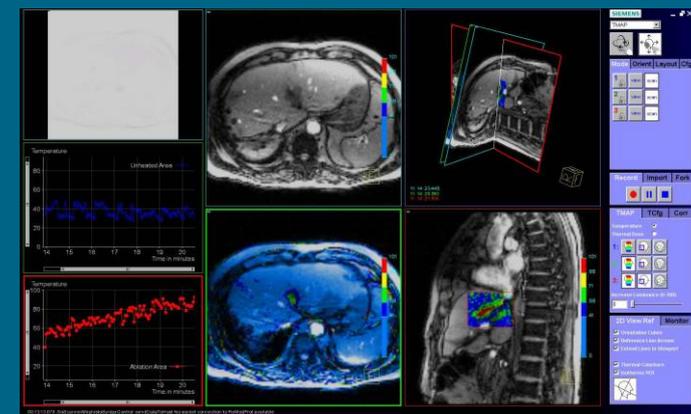
Electrophysiology (EP)



Needle Guidance (NG)



Thermometry (TMP)

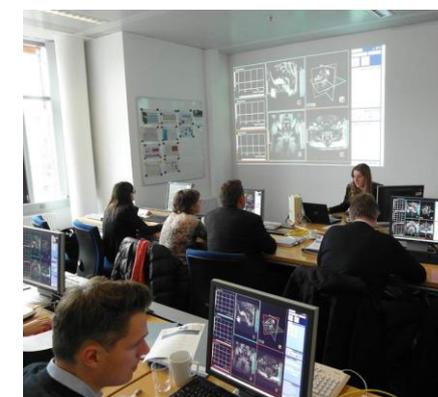


NEW Version:

- VE11 support
- New IRT Sequence WIP features

IFE Training:

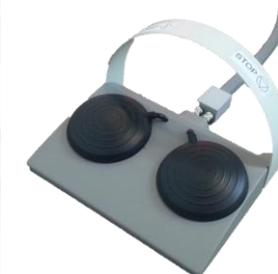
- Hands-On Workshop
- Already succeeded in Europe
- Planned for US



iMRI Suite for Cardiovascular Interventions



NNL 32"
In-Room-Monitor



In-Room
Foot-Switch

Thank you for your attention!